

## Meeting notes

### Semester 2

3<sup>rd</sup> February 2023:

I met Dr. Yang in his office. I reported the progress of the project and started drafting the final report of the project. He suggested the content of the final report by analyzing the x, y, and z coordinates of the predicted coordinates respectively, stating the summary of “Ray”, the database adopted for indoor localization prediction, pointing out the difference between validation datasets and testing datasets, including what figures and pictures, and generalizing the performance of each prediction model mathematically by cumulative distribution function. I followed his suggestions, investigated the findings from more perspectives, and started thinking about the organization of the final report.

9<sup>th</sup> March 2023:

I met Dr. Yang’s teaching assistant and reported the recent progress of the project. I demonstrated the work I had done and explain the purposes of each part of the project. When asked the idea of analyzing the neural network, I answered her by saying that using functions and she gave several directions for analyzing the neural network by pointing out my mistakes of analyzing it by my own way. Also, she said that the RSSI cannot be taken average to analyze it. I followed her suggestions and started finding another way to analyze the prediction.

28<sup>th</sup> March 2023:

I met Dr. Yang in his office. I reported that the CDF graphs of each prediction model were brought into existence. I asked the unit of the coordinates of the RFID tag and the scenes and settings of the raw data collected from the RFID tag. He answered that the unit is meter, and the condition is setting 1 scene A and therefore I just needed to focus on the raw data provided in this condition instead of handling other conditions. With the satisfactory results of the CDF graphs, he acknowledged me that the implementation of the project has been finished by lacking room of improvements. Therefore, he asked me to only focus on the final report and presentation slides of the project since quality of the interim report and presentation slides are far from perfect. I followed his orders and started finishing the final report.

4<sup>th</sup> April 2023:

I met Dr. Yang in his office. I reported that the final report has been finished and so I gave the report to him to see. He gave suggestions improving the report by rearranging

all figures and tables included to the first paragraph introducing them instead of placing all of them in the paragraph in front of the introduction. Also, he stated the room of improvement of the table of content by indicating the number to the headers so that readers could find out the number of sections and the progress of reading the report by being informed where they were conveniently. Moreover, he reminded me to include all figures and tables mentioned in the report in the presentation slides so that it can be looked more attractively for favorable impression. I followed his suggestions and started revamping the presentation slides.